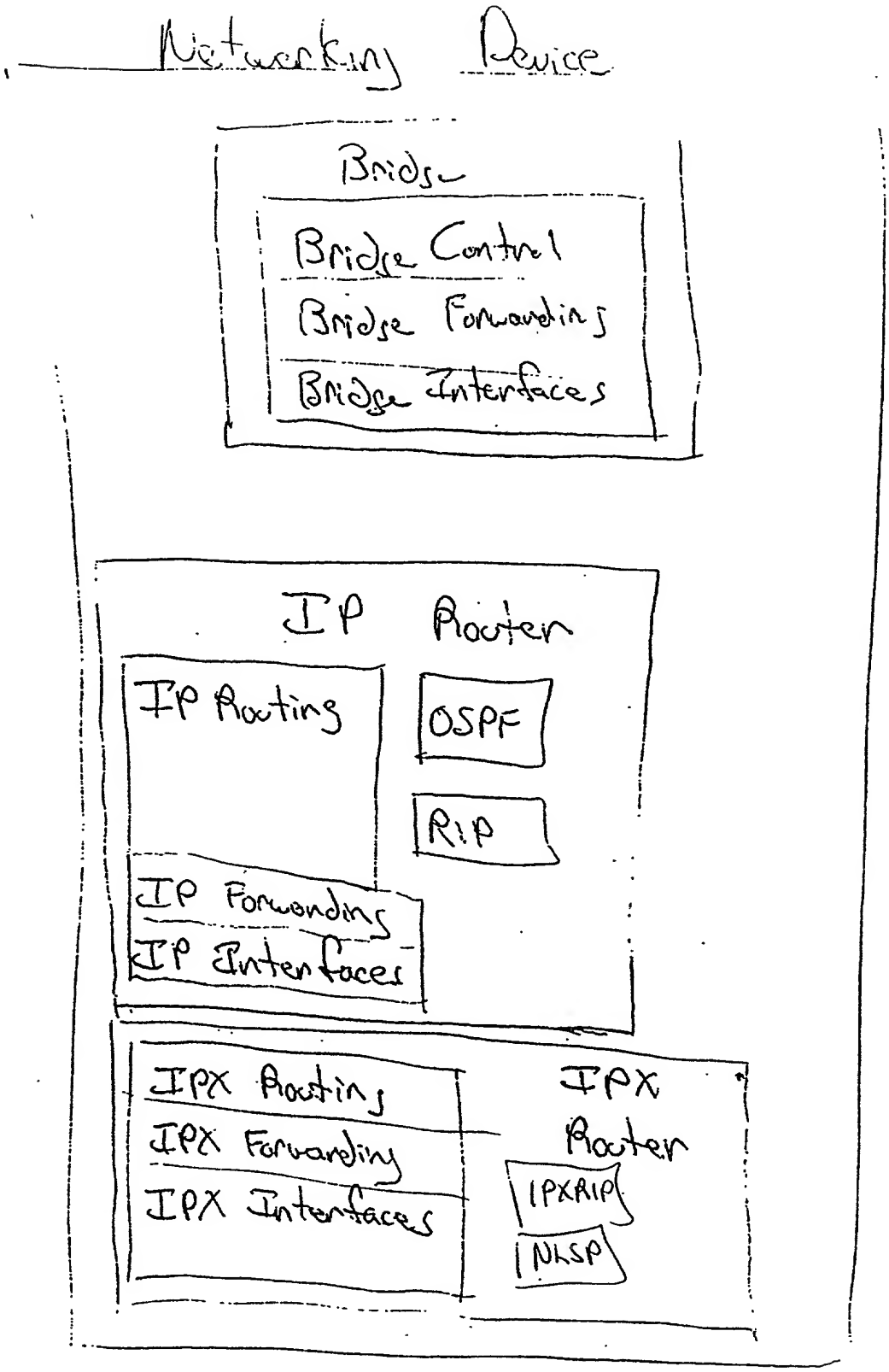

Networking Device
Bridge
Bridge Control
Bridge Forwarding
Bridge Interfaces
IP Router
IP Routing
OSPF
RIP
IP Forwarding
IP Interfaces
IPX Routing
IPX Forwarding
IPX Interfaces
IPX Router
IPXRIP
NLSP

Figure 1A

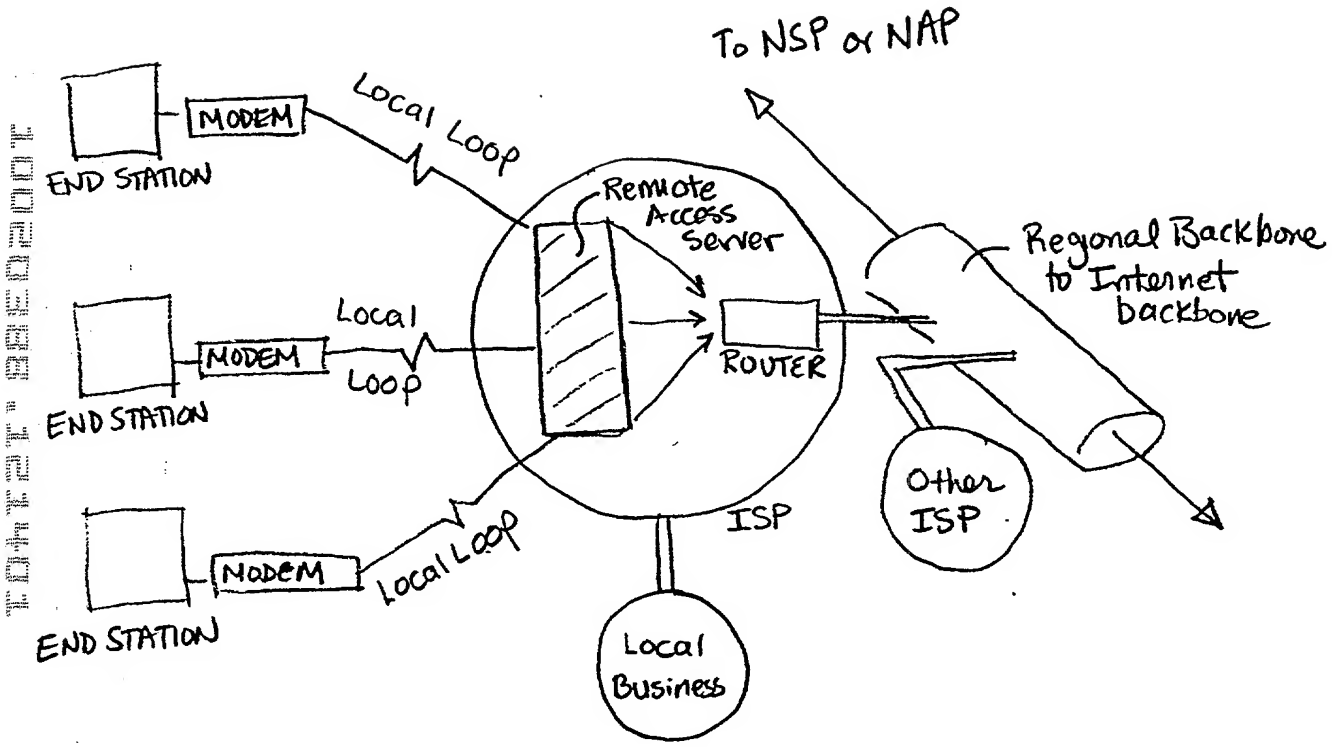
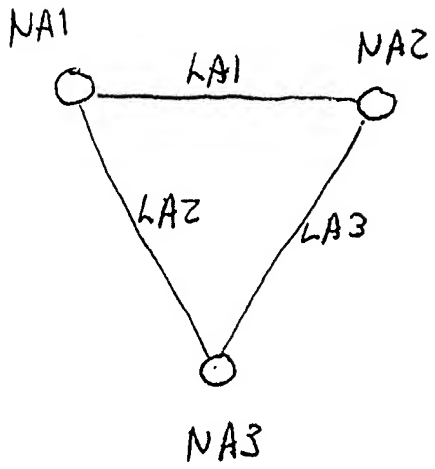

To NSP or NAP
MODEM
END STATION
Local Loop
Remote Access Server
Regional Backbone to Internet backbone
Local
Loop
MODEM
END STATION
ROUTER
Other ISP
ISP
MODEM
END STATION
Local Loop
Local Business

Figure 1B

TOMTOM 8860200T

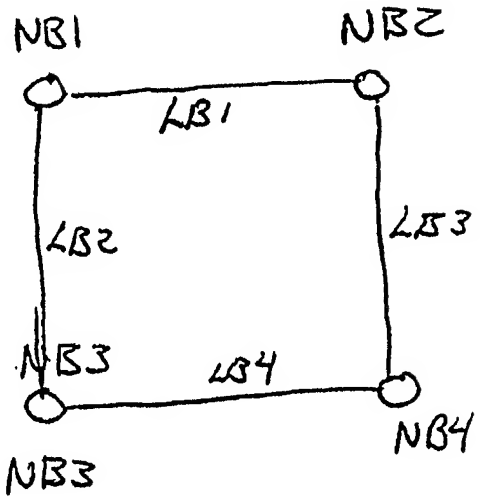


Network A

Nodes NA1, NA2, NA3

Links LA1, LA2, LA3

Figure 2A



Nodes NB1 NB2 NB3 NB4

Links LB1 LB2 LB3 LB4

Figure 2B

TOMTOM 8860200

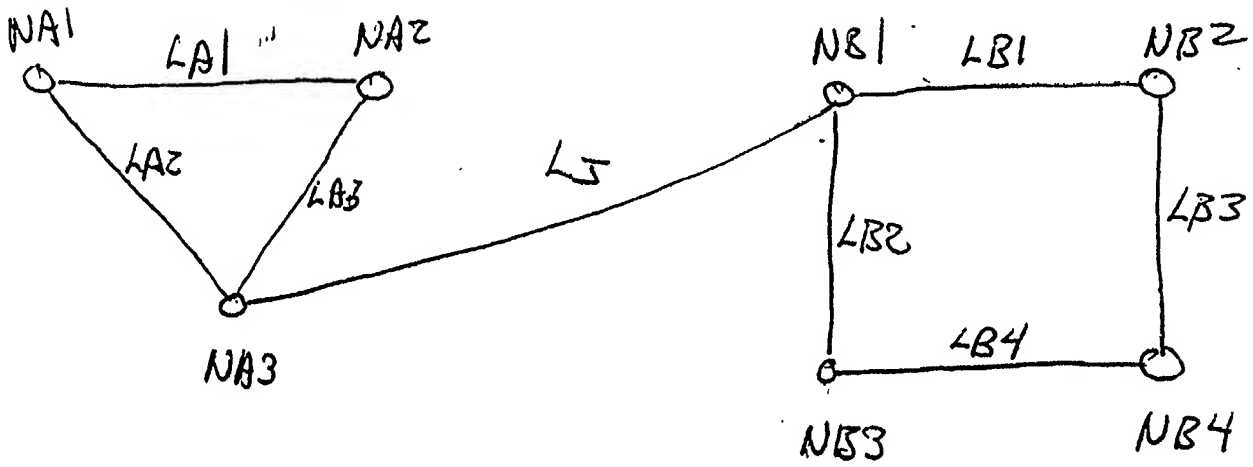


Figure 3

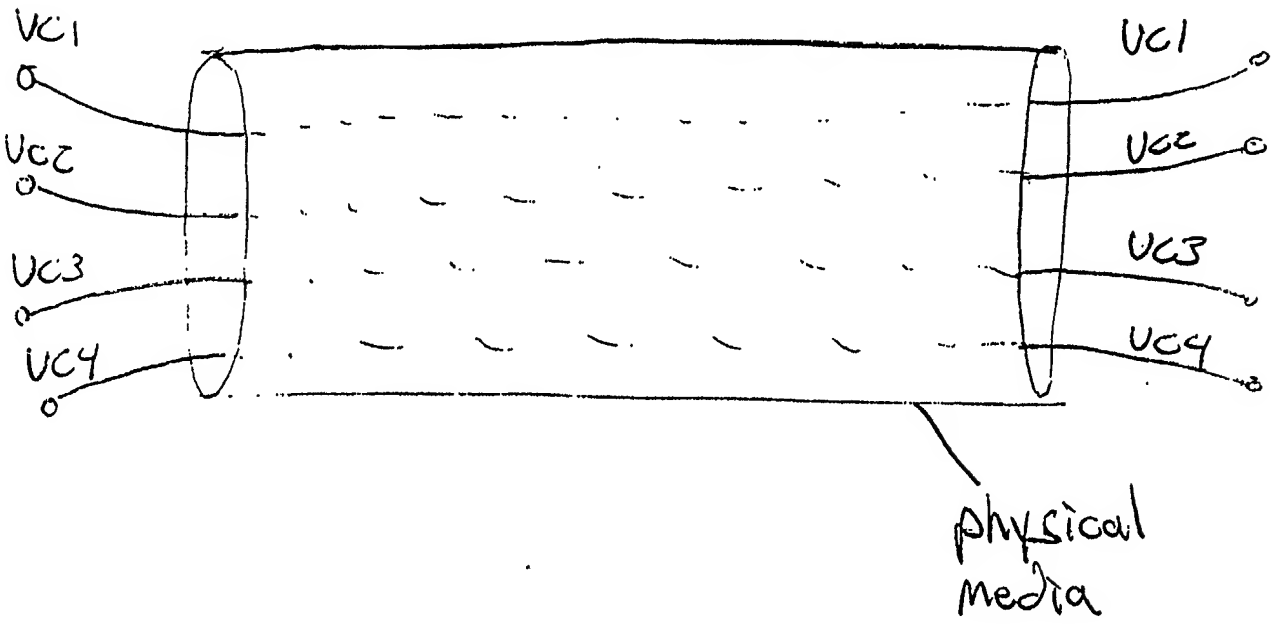


Figure 4

TOMTOM 88E02001

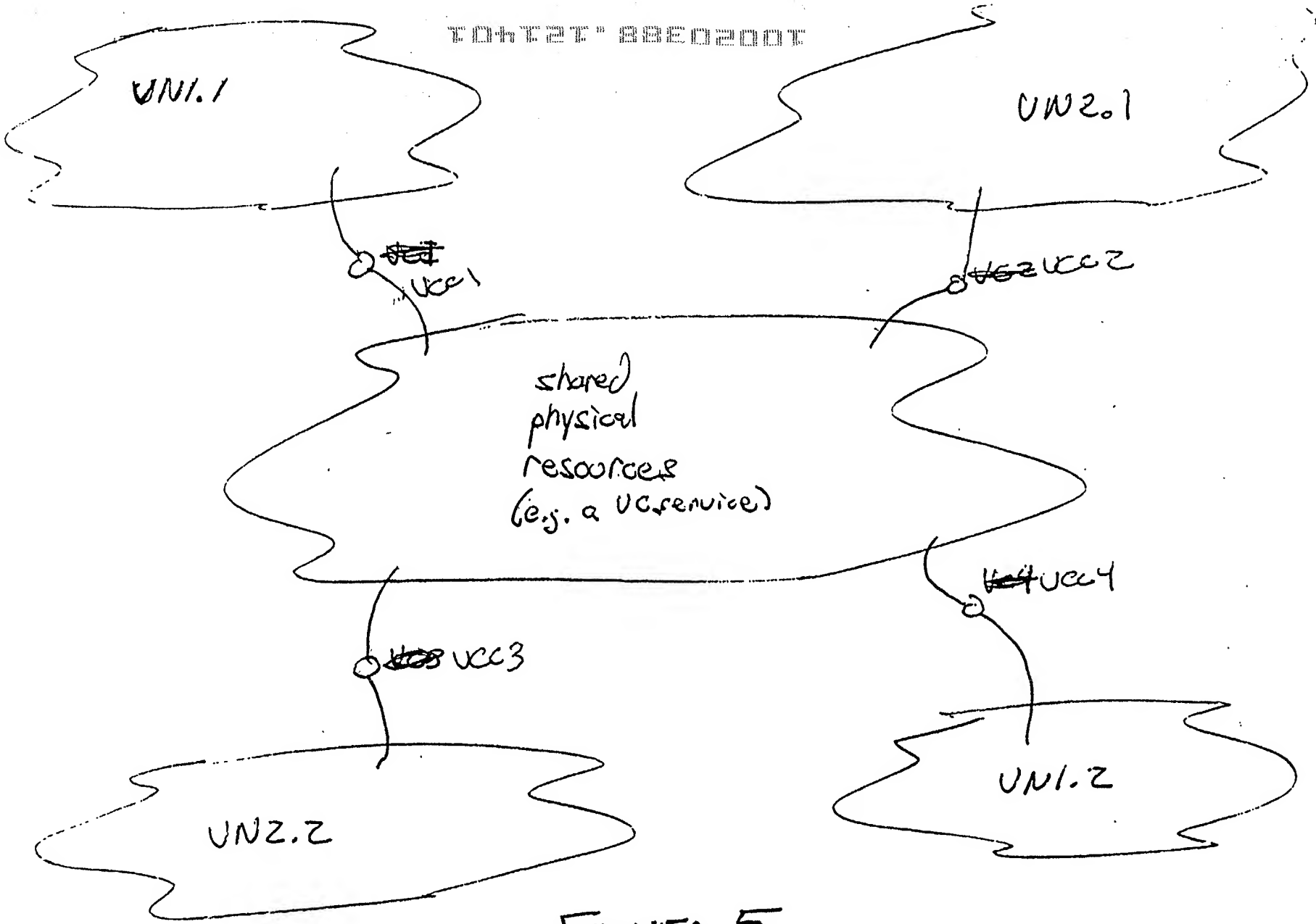


Figure 5

TOHT2T"88E0200T

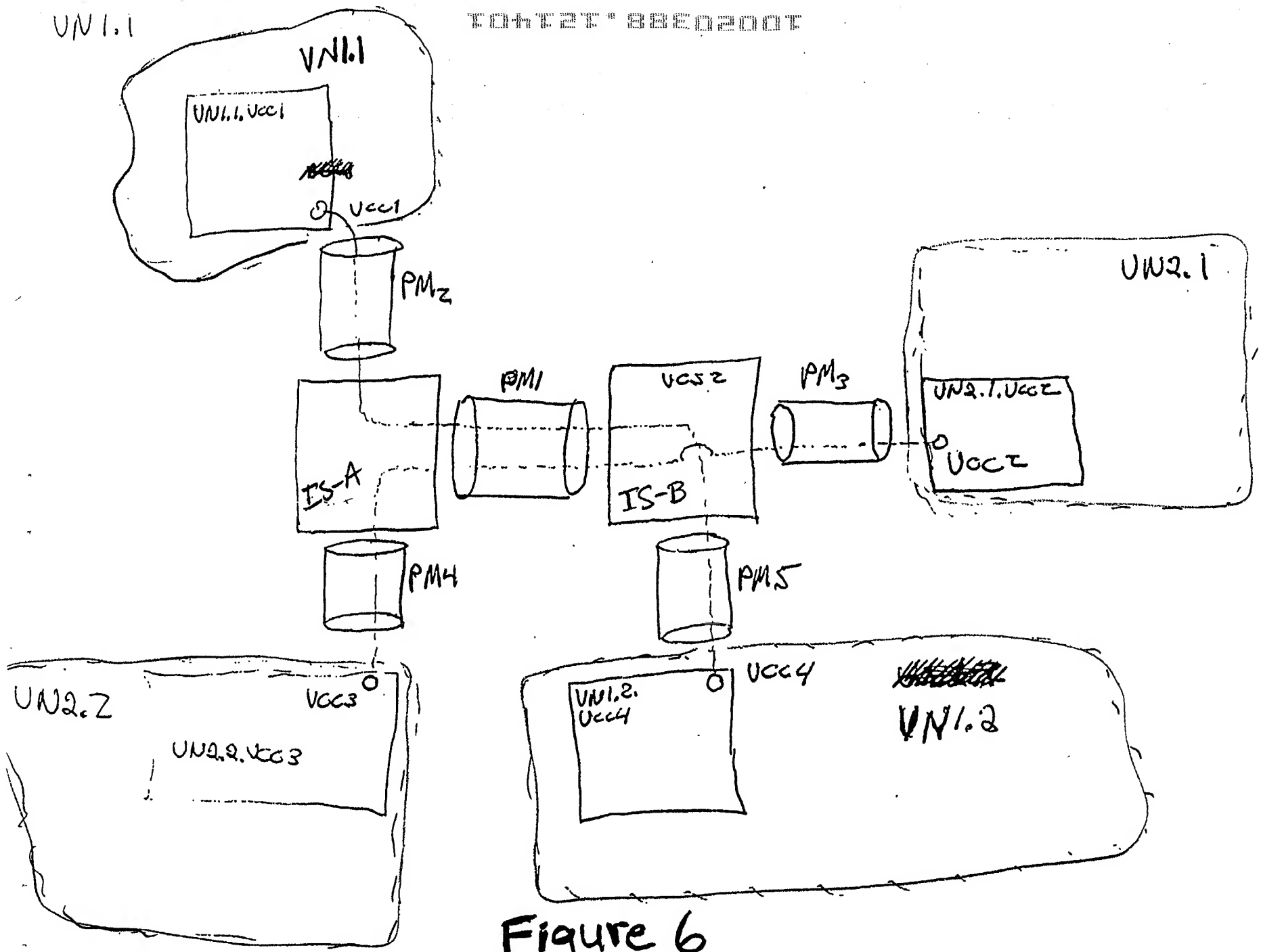


Figure 6

TOHT2T"8SE02OOT

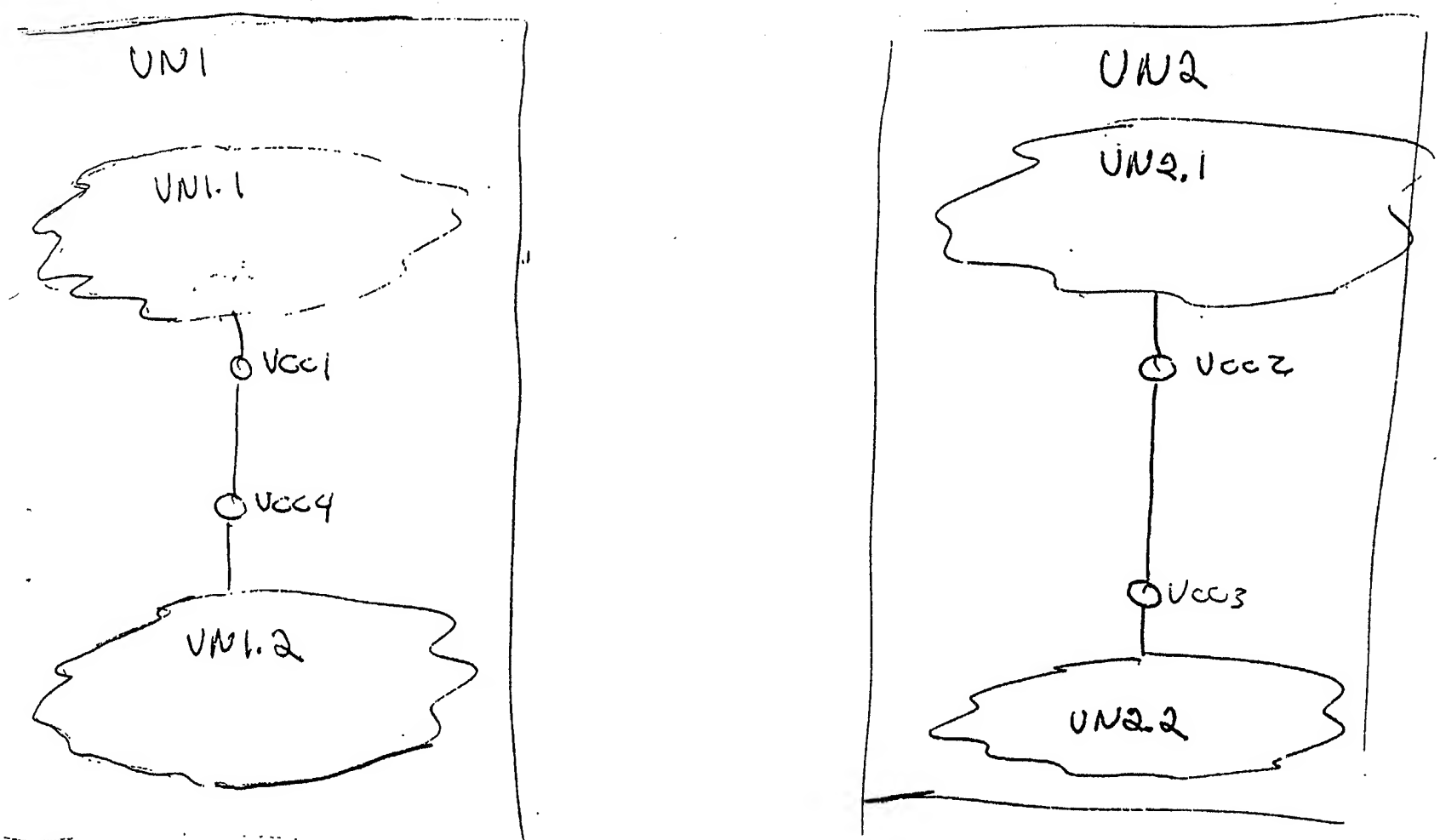


Figure 7

TOMTZT" 88E0Z80T

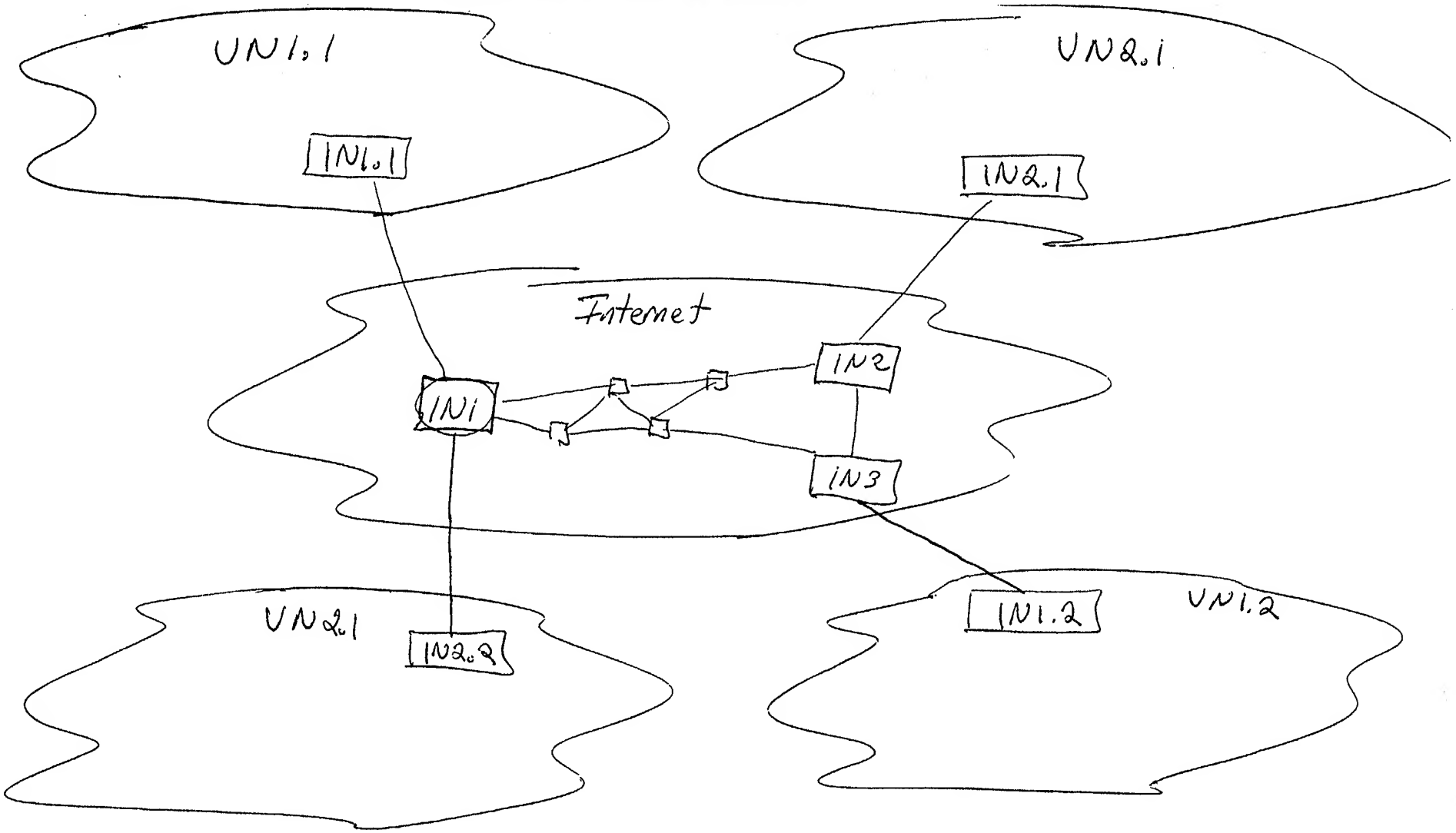


Figure 8

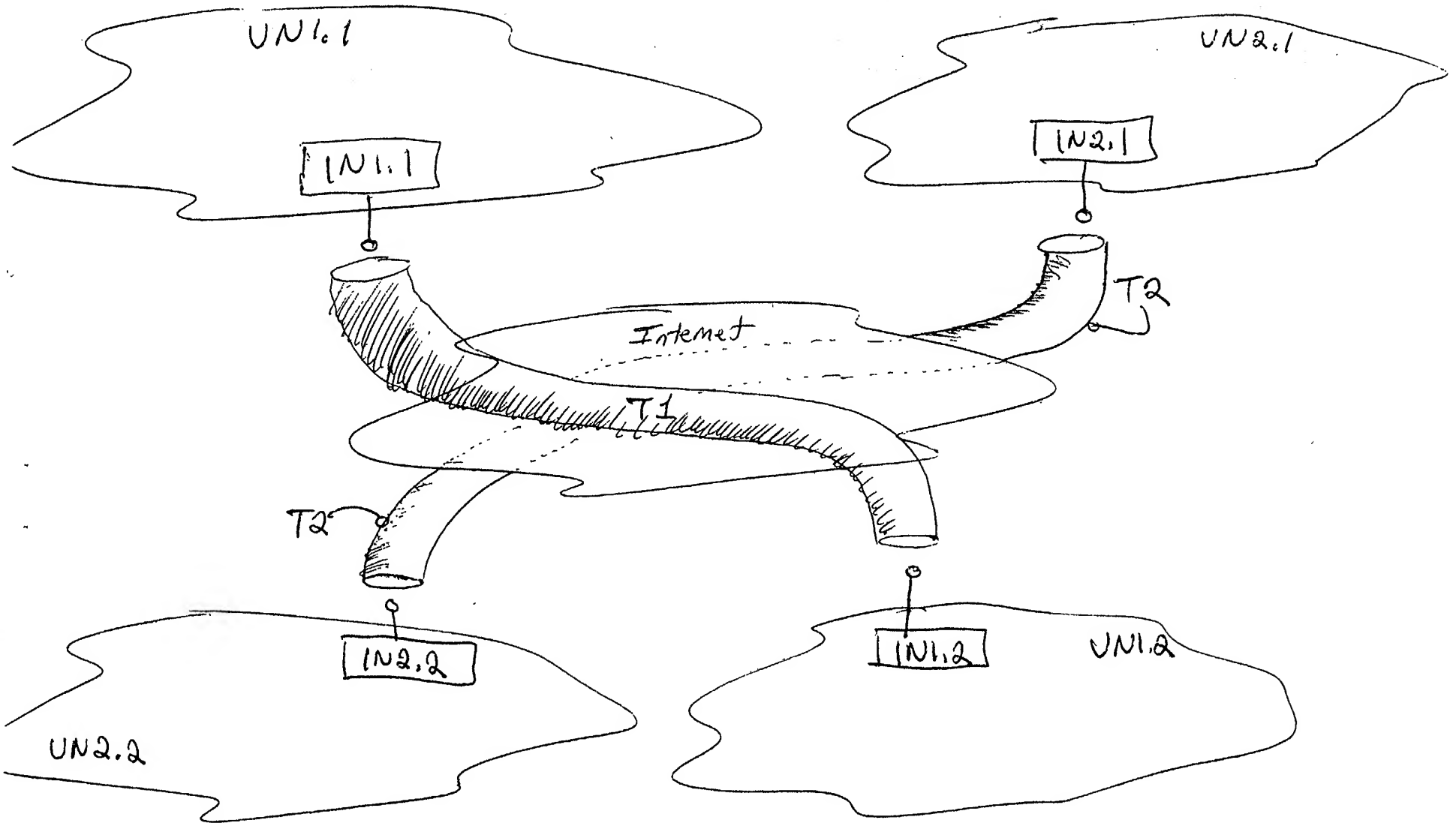


Figure 9

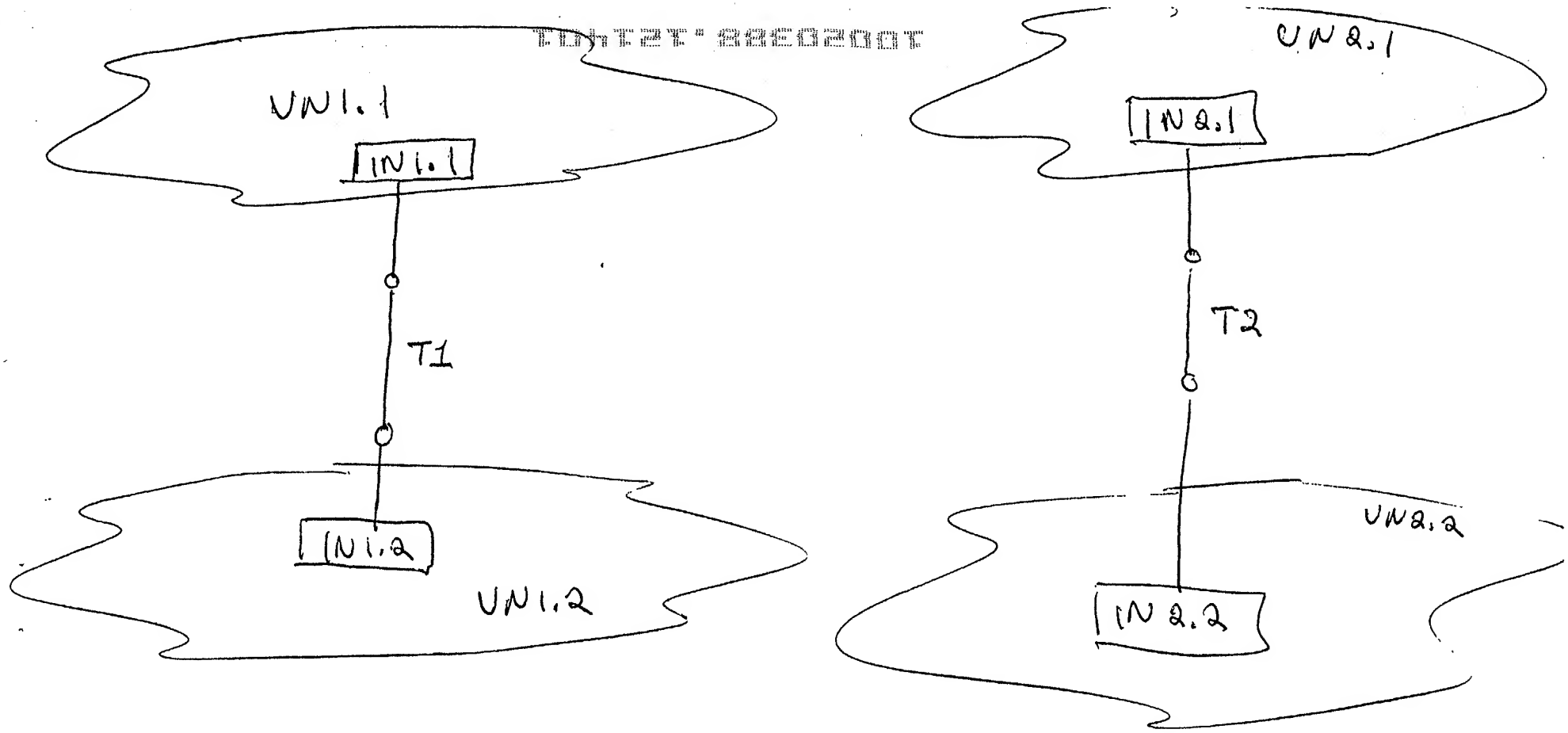


Figure 10

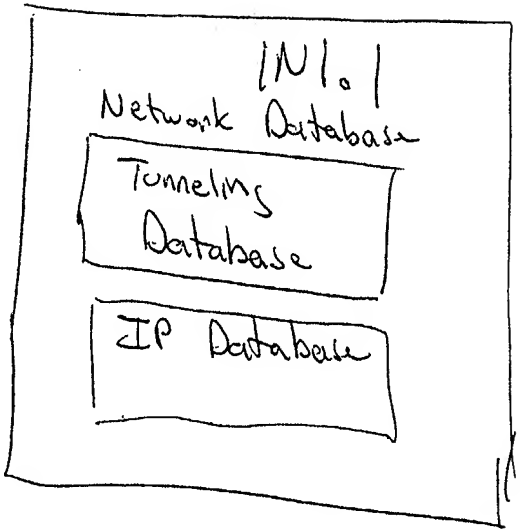


Figure 11

TOHIZI' 88E0200T

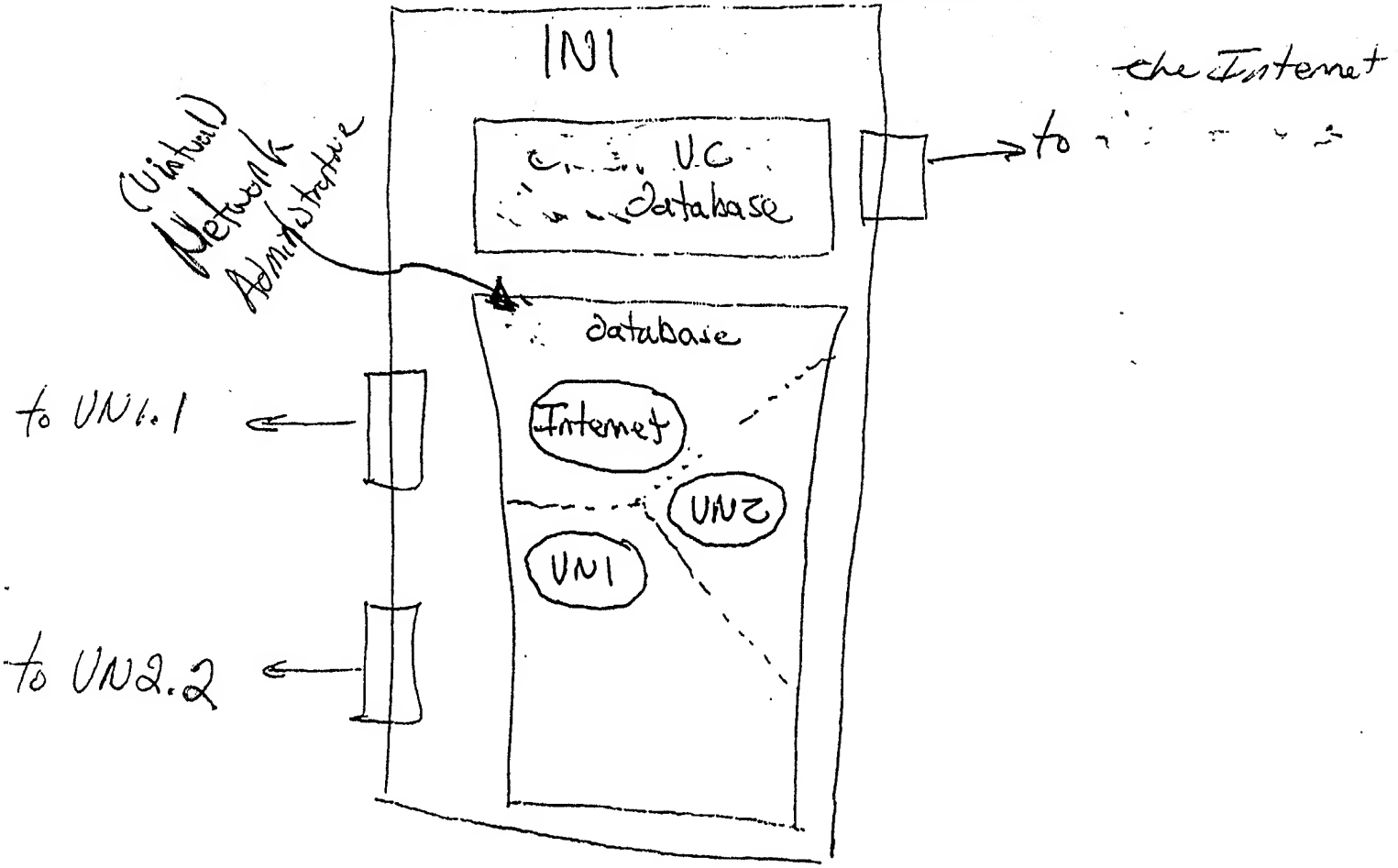


Figure 12

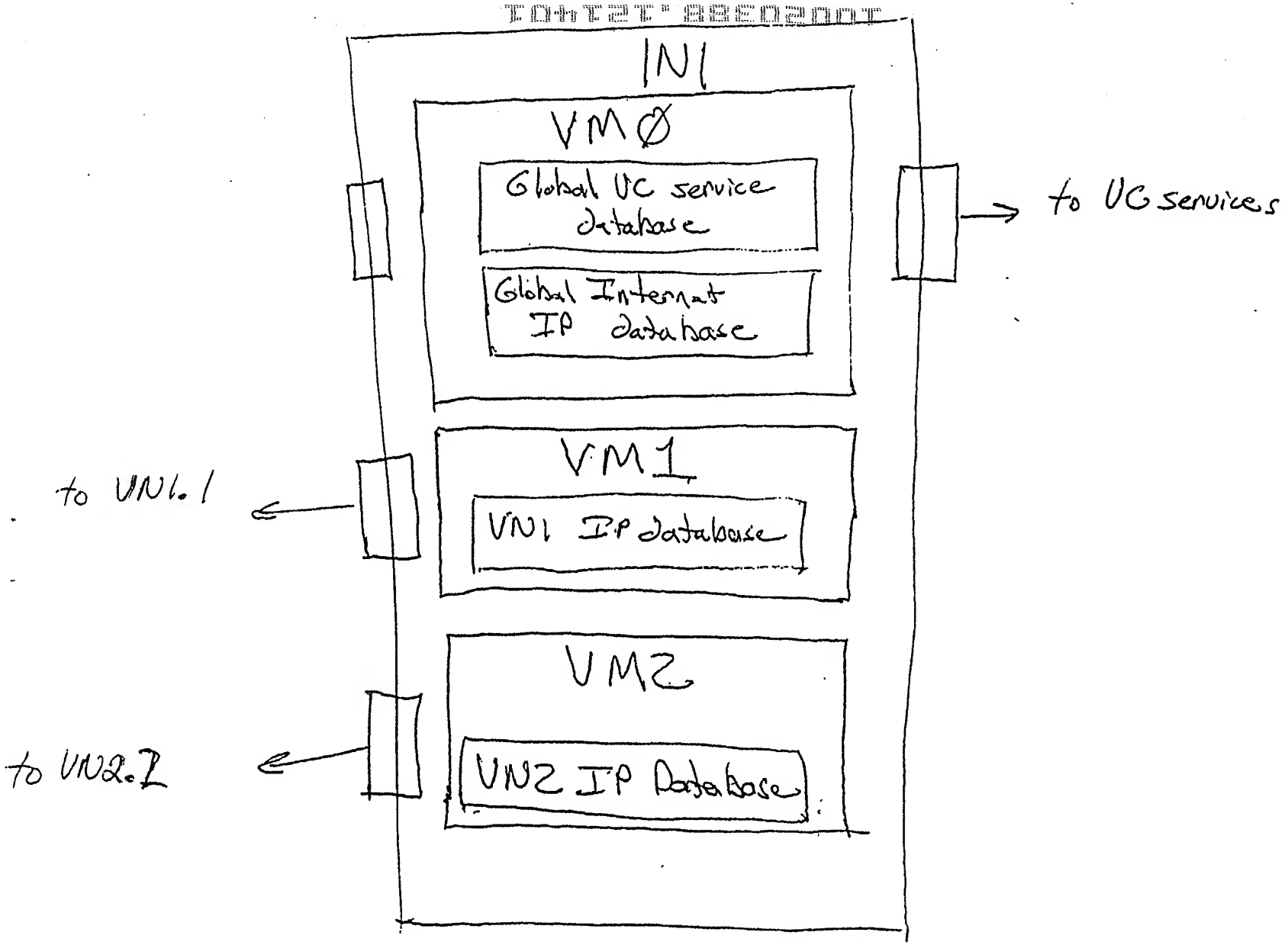

IN1
VM0
Global UC service database
Global Internat IP database
to UC services
VM1
VN1 IP database
to VN1.1
VM2
VN2 IP Database
to VN2.1

Figure 13

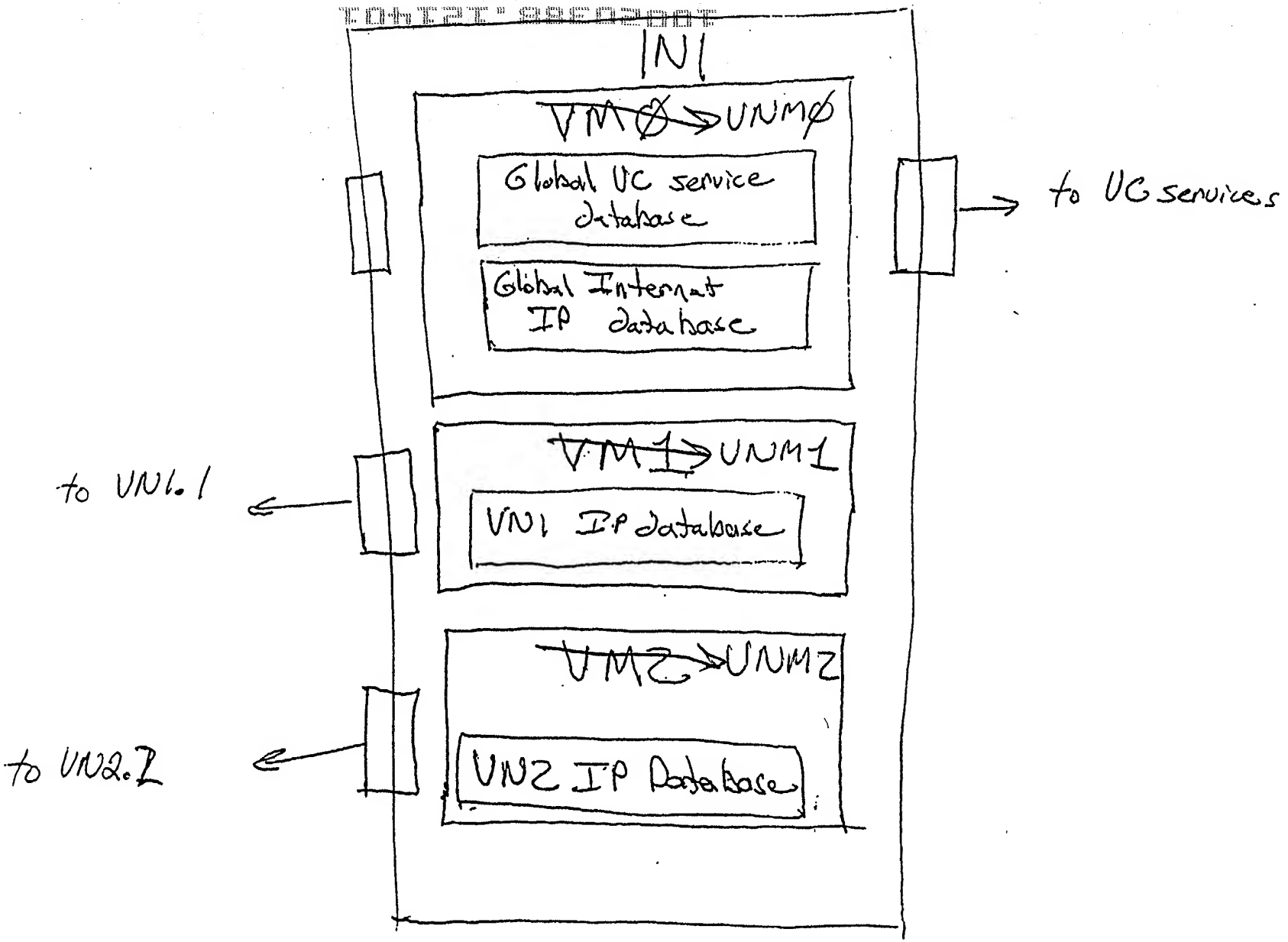

VN1
VM0 → UNM0
Global UC service database
Global Internet IP database
to UC services
VM1 → UNM1
VN1 IP database
to VN1.1
VM2 → UNM2
VN2 IP Database
to VN2.2

Figure 13

IP Networking Device

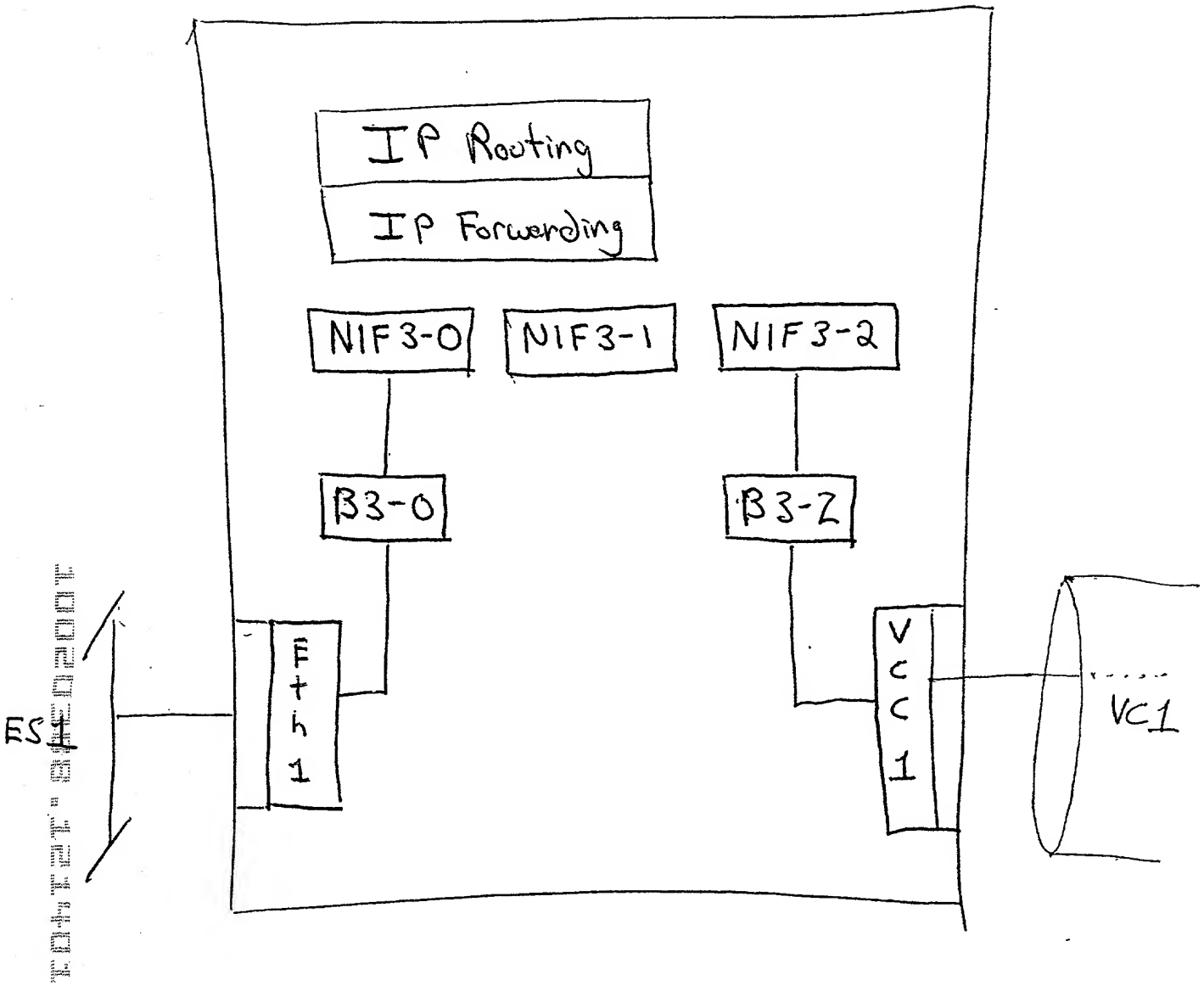


Figure 14

Attachment 1

IP Networking Device

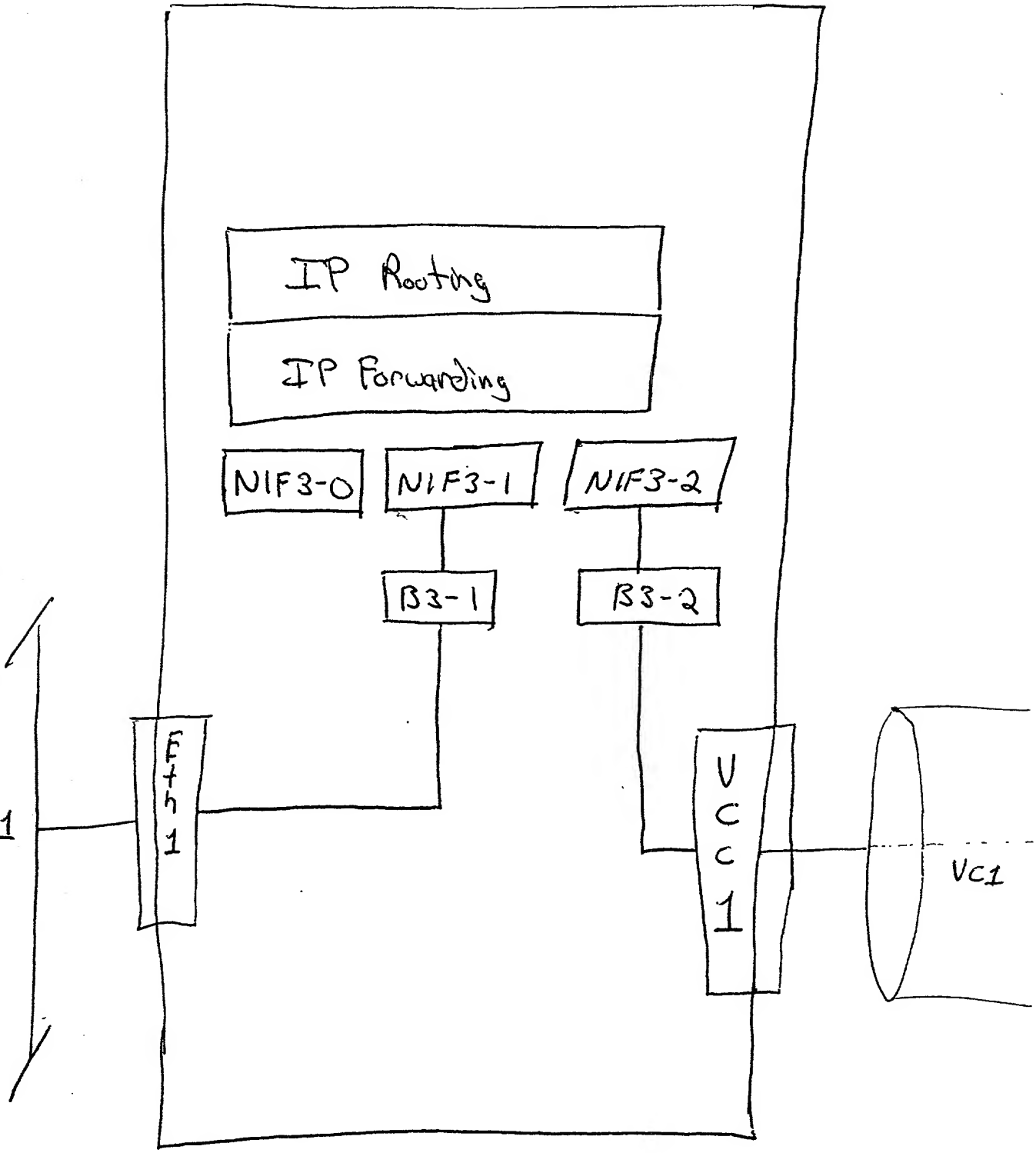


Figure 15

Bridging and IP Routing
Network Device

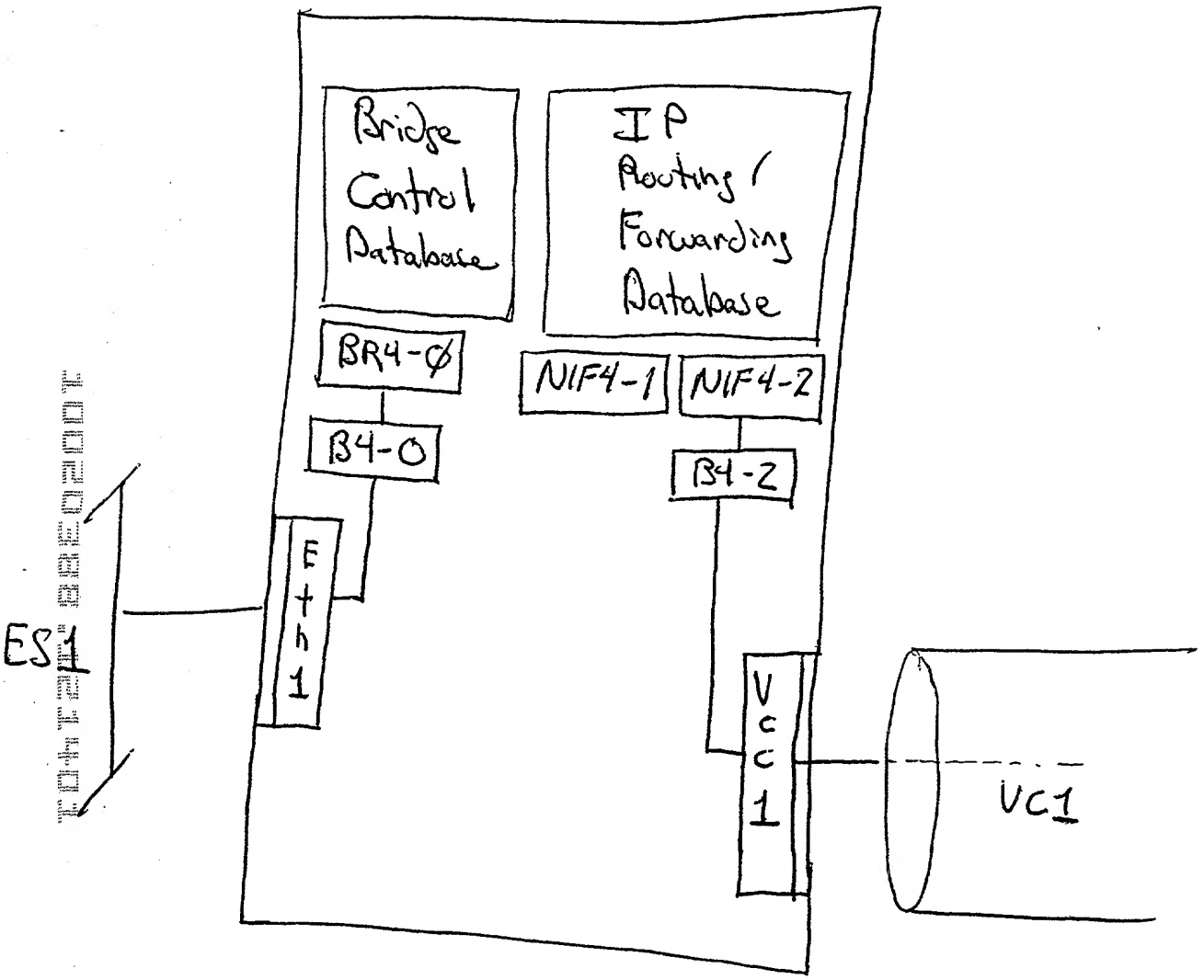


Figure 16

Bridging and IP Routing Network Device

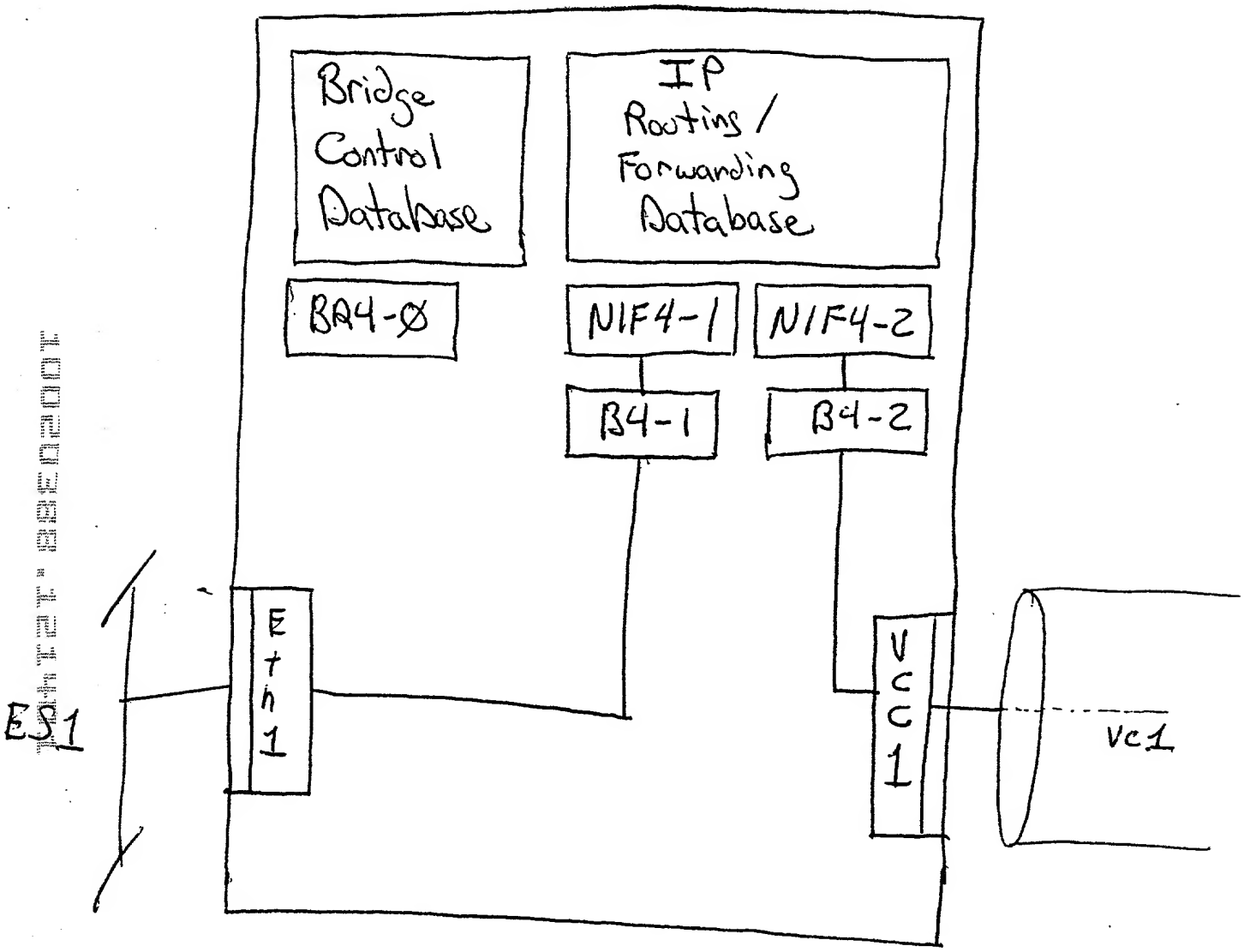


Figure 17

IP Router
Network Device

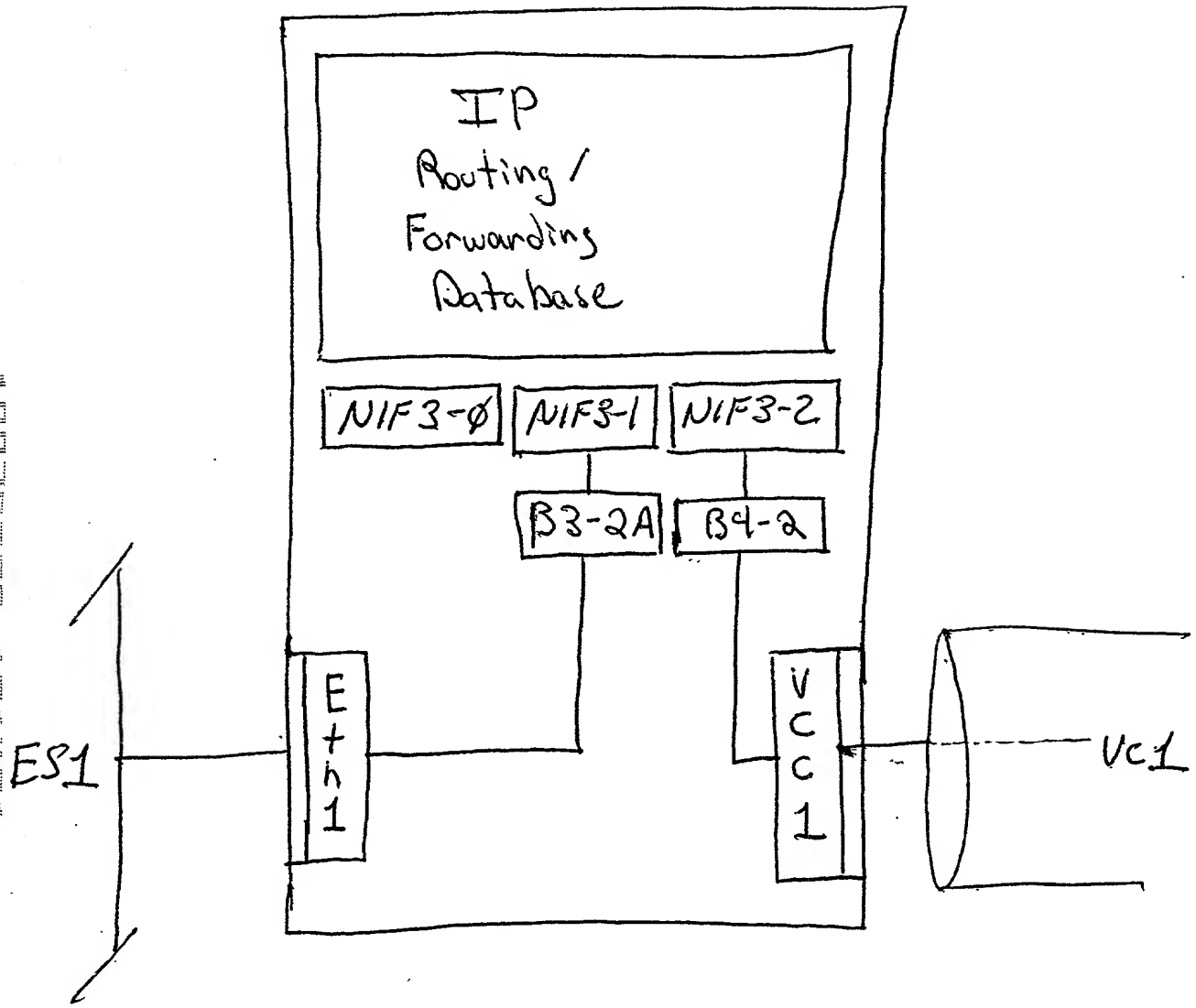


Figure 18

Multiple IP Routers in a single network device

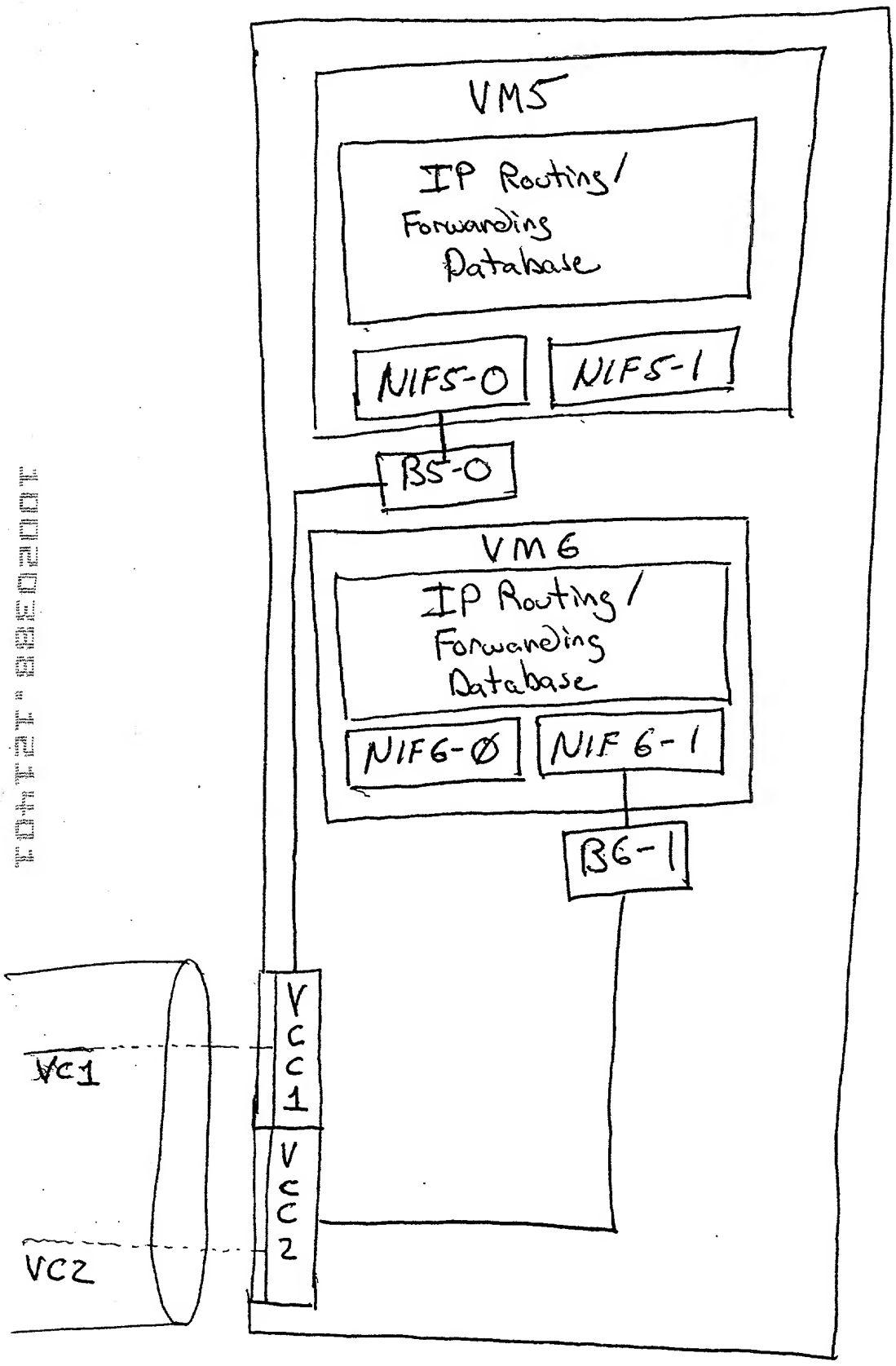


Figure 19

Multiple IP Routers in a single network device

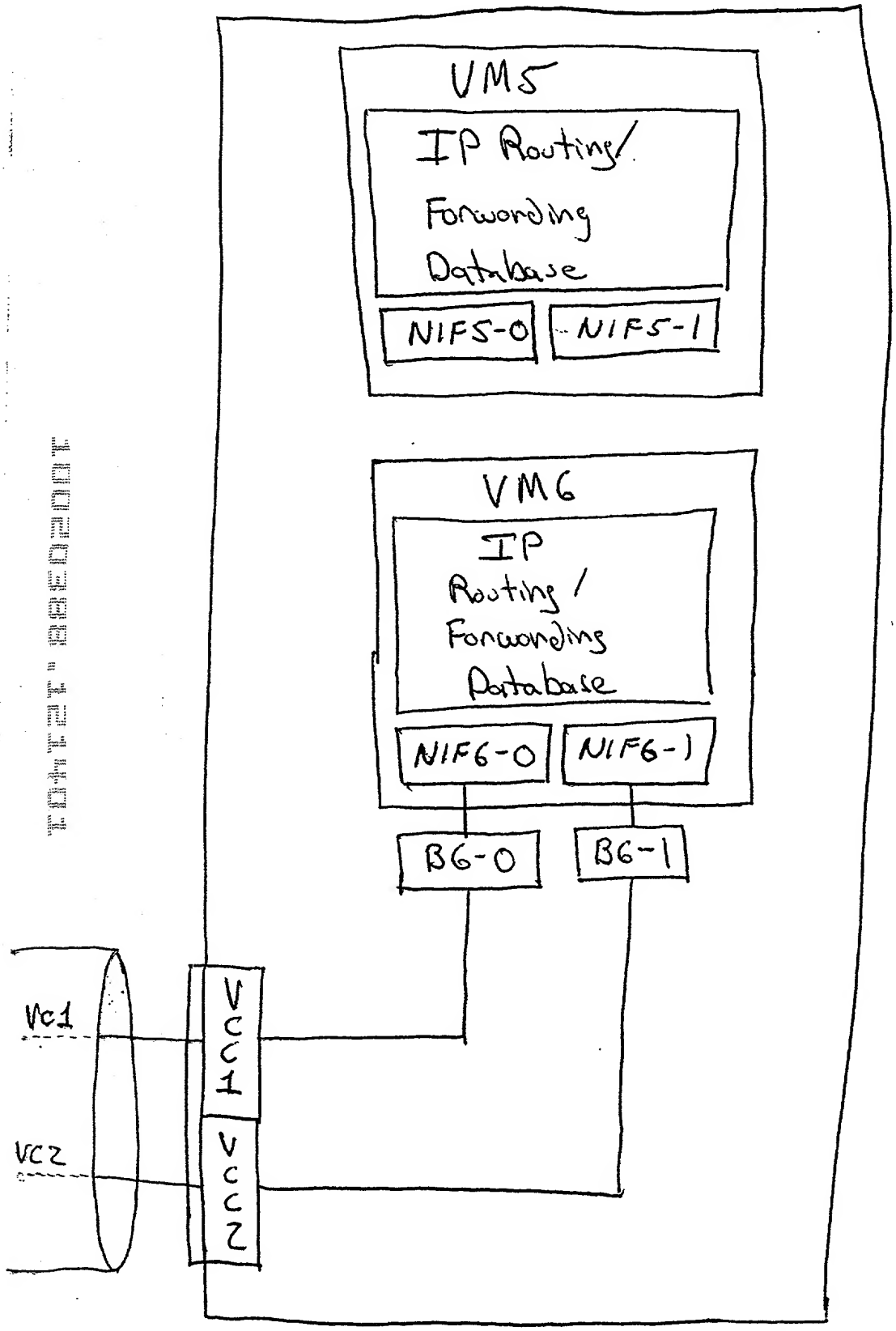


Figure 20

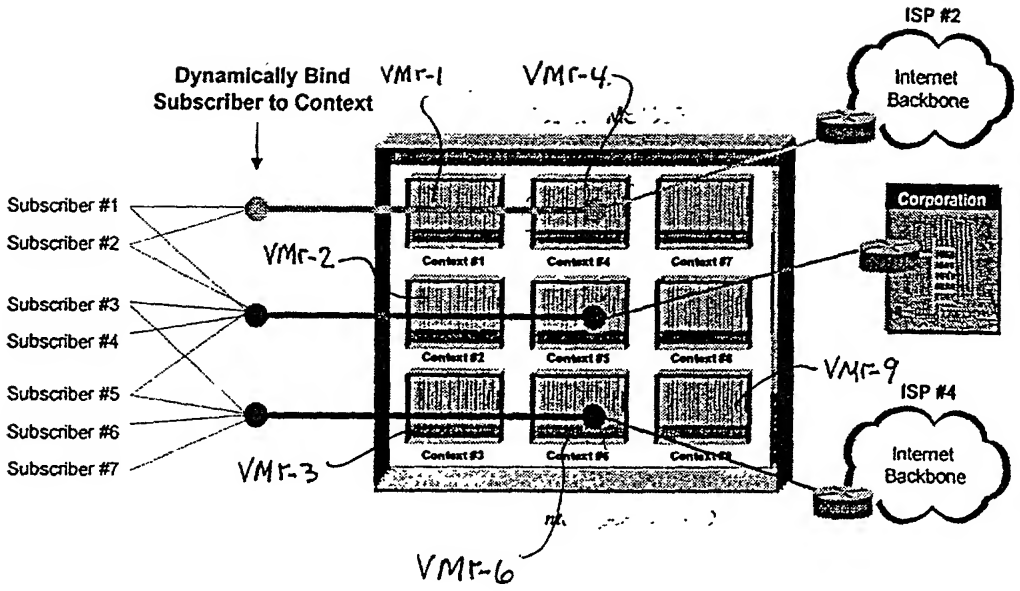

ISP #2
Internet Backbone
Dynamically Bind Subscriber to Context
VMr-1
VMr-4
Corporation
Subscriber #1
Subscriber #2
Subscriber #3
Subscriber #4
Subscriber #5
Subscriber #6
Subscriber #7
VMr-2
VMr-9
ISP #4
Internet Backbone
VMr-3
VMr-6

Figure 21.